Panasonic
ideas for life

Windows®. Life without Walls™. Panasonic recommends Windows 7.

THE TOUGHBOOK 52

- 15.4" Widescreen Display
- Desktop-class Performance
- Magnesium Alloy Case with Handle
- Shock-mounted Flex-connect Hard Drive
- Drop and Spill-resistant
- 3G Mobile Broadband-ready Design

THE ONLY FULL-POWER DESKTOP REPLACEMENT LAPTOP WITH LEGENDARY TOUGHBOOK DURABILITY.

Panasonic's semi-rugged Toughbook® 52 leads the way in reliability and performance, whether on your desk or on the road. With a 15.4" high-resolution WUXGA widescreen and discrete graphics, it's the ultimate business tool for group presentations and advanced technology to run multiple applications without a hitch. Intel® vPro™ processors add increased security and enhanced remote management, and optional Gobi™2000 3G mobile broadband lets you work seamlessly pretty much anywhere.

1.800.662.3537	panasonic.com/toughbook/52
SOLUTIONS	IS OUR MIDDLE NAME

TOUGHBOOK®

Panasonic Solutions Company

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SOFTWARE
- Genuine Windows® 7 Professional (32-bit)[1] or Genuine Windows® 7 Professional (64-bit)[1]
- Panasonic Utilities, Recovery Partition

CPU
- Intel® Core™ i5-2540M vPro™ Processor
  - 2.6GHz with Turbo Boost up to 3.3GHz
  - Intel Smart Cache 3MB

STORAGE & MEMORY
- 4GB SDRAM (DDR3-1333MHz), expandable to 16GB[2,3]
- Shock-mounted flex-connect hard drive with quick-release
  - 320GB 5400rpm (optional 500GB 5400rpm)[3]

DISPLAY
- 15.4" widescreen WUXGA LED 1920 x 1200
- Anti-reflective and anti-glare screen treatments
- Video controllers
  - ATI Radeon™ HD6750M (512MB dedicated VRAM)[4]
  - Intel® QM67 (max. 1915MB shared VRAM with 32-bit)[4]
- External video support up to 1920 x 1200 at 16.7 million colors

AUDIO
- Intel® high-definition audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

KEYBOARD & INPUT
- 87-key with dedicated Windows® key
- Electrostatic touchpad with scrolling support

MULTIMEDIA BAY
- DVD Super MULTI Drive

EXPANSION SLOTS
- PC card type II x 1
- SD card (SDXC)
- ExpressCard/54 x 1

INTERFACE

Docking connector	Dedicated 100-pin
VGA	D-sub 15-pin
Headphones/speaker	Mini-jack stereo
Microphone/line in	Mini-jack stereo
Serial	D-sub 9-pin
USB 2.0 (x4)	4-pin
IEEE 1394a (FireWire)	4-pin
10/100/1000 Ethernet	RJ-45
56K Modem	RJ-11

WIRELESS
- Optional integrated Gobi™2000 3G mobile broadband
- Intel® Centrino® Advanced-N 6205 802.11a/b/g/n
- Bluetooth® v2.1 + EDR (Class 1)
- Security
  - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Slide on/off switch

POWER SUPPLY
- Battery operation: 4 hours[5]
- Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)
- Battery charging time: 2 hours[5]
- AC Adapter: AC 100V—240V 50/60Hz, auto sensing/switching worldwide power supply

POWER MANAGEMENT
- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS[6]
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional SmartCard reader

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 11.3"(L) x 14.0"(W) x 2.0"(H)
- 7.5 lbs.

INTEGRATED OPTIONS[7]
- Gobi™2000 3G mobile broadband (EV-DO Rev. A, HSPA)
- SmartCard reader
- Fingerprint reader

ACCESSORIES[7]

AC Adapter (3-prong)	CF-AA5713AM
Lithium Ion Battery Pack	CF-VZSU71U
Battery Charger	CF-VCBTB2W
LIND 3-Bay Battery Charger	PACH329-1857-P
LIND Car Adapter 120W	CF-LNDDC120
LIND Car Adapter 120W Mounting Bracket	CF-LNDBRK120
LIND Shutdown Timer	CF-LNDLPT
InfoCase ComUniversal Carrying Case (large capacity)	TBCCOMUNV-P
InfoCase ComUniversal Roller	TBCRLR-P
InfoCase Backpack	TBCBPK-P
InfoCase Always-on 52 Case	TBC52AOCS-P
Desktop Dock	CF-VEB522M
Memory Cards	
– 4GB DDR3	CF-WMBA1004G
– 8GB DDR3	TBD
DisplayPort to HDMI Adapter	TTDPHDMI

Please consult your reseller or Panasonic representative before purchasing.

[1] A full set of Windows XP drivers are available at panasonic.com/toughbook/support.

[2] Total usable memory will be less depending upon actual system configuration.

[3] 1GB = 1,000,000,000 bytes.

[4] The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 64-bit max. VRAM is 2283MB with 4GB of memory.

[5] Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.

[6] Requires software and activation to enable theft protection.

[7] Accessories and Integrated Options may vary depending on your notebook configuration.

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Financing options now available from Panasonic Finance Solutions; please call number above for more details.

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